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STATE DOCUMENTS

NINTH ANNUAL REPORT

1964

INFANT

and

NEONATAL MORTALITY

and

STILLBIRTH RATES

by

PREPARED BY:

MONTANA STATE BOARD OF HEALTH

DIVISION OF CHILD HEALTH SERVICES

DIVISION OF RECORDS AND STATISTICS

• AND •

MONTANA MEDICAL ASSOCIATION

MATERNAL & CHILD WELFARE COMMITTEE

MONTANA HOSPITALS

HELENA, MONTANA

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## FOREWORD

TO: Hospital Administrators  
Medical Staffs and Nurses

This is the 1964 report of certain vital statistics occurring in Montana hospitals. The figures used in this report are those taken from the quarterly statistic cards that are sent to this office by the 65 hospitals offering obstetrical service.

In the report this year, a column showing the live births for 1963 will be added; this will enable the individual hospital to make a comparison with the figures of this year. Other than this, the format of the report will be the same as previous years.

Since Montana does have some home deliveries, the figures in this report will not be the same as those which are obtained from birth certificates sent to the Division of Vital Statistics. The number of home deliveries for the year total 100. This figure remains about the same each year.

In 1964 there were 14,698 births in Montana, by place of occurrence. (This does not include home deliveries.) There were 249 neonatal deaths with a rate of 16.9 per 1,000 live births. There were 200 stillbirths with a rate of 13.7 per 1,000 live births. Perinatal deaths numbered 449 with a rate of 30.6 per 1,000 live births. Deaths occurring after one month of age to 12 months numbered 31 for the period.

During the following years, live births in Montana totaled:

1964	14,698
1963	15,630
1962	16,515
1961	16,764
1960	17,045
1959	17,166
1958	17,448
1957	17,980

During the reporting year of 1964, there were nine maternal deaths. Seven of these occurred in hospitals.

The Phenylketonuria Testing Program of the State Board of Health was started early in 1963, and is available to all hospitals on request. Since its inception, there are 52 participating hospitals.

This report is possible because of the cooperation of all hospitals. It is anticipated that hospitals will continue their cooperation in the reporting of vital statistics.

Division of Child Health Services  
of the Montana State Board of Health  
and  
Maternal and Child Welfare Committee  
of the Montana Medical Association

Chart #1  
GENERAL HOSPITALS  
(100 beds or more)

Montana - 1964

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
5,994	6,500	288	4.80	127	17	110	79	189	21.2	2.8	18.4	13.2	31.5
1,017	1,148	69	6.78	21	4	17	12	29	20.6	3.9	16.7	11.8	28.5
947	956	62	6.55	21	2	19	21	40	22.2	2.1	20.1	22.2	42.2
937	1,052	61	6.51	22	3	19	11	30	23.5	3.2	20.3	11.7	32.0
* 856	896	0	0.00	25	3	22	5	27	29.2	3.5	25.7	5.8	31.5
778	746	25	3.21	11	0	11	10	21	14.1	0.0	14.1	12.9	27.0
776	878	32	4.12	13	4	9	10	19	16.8	5.2	11.6	12.9	24.5
373	424	13	3.49	6	0	6	6	12	16.1	0.0	16.1	16.1	32.2
310	400	26	8.39	8	1	7	4	11	25.8	3.2	22.6	12.9	35.5

\*This hospital does not code their prematures.

Chart #2  
INTERMEDIATE GENERAL HOSPITALS  
(40 - 99 beds)

Montana - 1964

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
5,359	5,512	315	5.88	88	4	84	86	170	16.4	0.7	15.7	16.0	31.7
564	533	29	5.14	13	0	13	5	18	23.0	0.0	23.0	8.9	31.9
508	505	16	3.15	4	0	4	12	16	7.9	0.0	7.9	23.6	31.5
459	488	18	3.92	4	0	4	6	10	8.7	0.0	8.7	13.1	21.8
450	378	38	8.44	7	0	7	4	11	15.6	0.0	15.6	8.9	24.4
372	335	37	9.95	7	0	7	6	13	18.8	0.0	18.8	16.1	34.9
347	412	24	6.92	8	0	8	7	15	23.1	0.0	23.1	20.2	43.3
312	399	29	9.29	5	0	5	7	12	16.0	0.0	16.0	22.4	38.3
297	311	20	6.73	5	0	5	5	10	16.8	0.0	16.8	16.8	33.7
270	244	33	12.22	7	0	7	6	13	25.9	0.0	25.9	22.2	48.1



Chart #2  
INTERMEDIATE GENERAL HOSPITALS  
(40 - 99 beds)

Montana - 1964 (continued)

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
266	270	6	2.26	3	0	3	2	5	11.3	0.0	11.3	7.5	18.8
261	267	17	6.51	1	0	1	3	4	3.8	0.0	3.8	11.5	15.3
258	276	10	3.88	3	0	3	4	7	11.6	0.0	11.6	15.5	27.1
232	262	7	3.02	6	0	6	9	15	25.9	0.0	25.9	38.8	64.7
206	224	9	4.37	4	1	3	4	7	19.4	4.9	14.6	19.4	34.0
197	217	7	3.55	2	0	2	3	5	10.2	0.0	10.2	15.2	25.4
151	164	4	2.65	2	0	2	0	2	13.2	0.0	13.2	0.0	13.2
149	145	10	6.71	2	1	2	2	4	13.4	6.7	13.4	13.4	26.8
60	82	1	1.67	4	2	2	1	3	66.7	33.3	33.3	16.7	50.0

Chart #3  
SMALL GENERAL HOSPITALS  
(10 - 39 beds)

Montana - 1964

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
3,290	3,539	155	4.71	63	10	53	34	87	19.1	3.0	16.1	10.3	26.4
236	243	26	11.02	5	0	5	2	7	21.1	0.0	21.2	8.5	29.7
230	218	20	8.70	5	2	3	4	7	21.7	8.7	13.0	17.4	30.4
196	194	8	4.08	5	0	4	6	10	20.4	0.0	20.4	30.6	51.0
193	249	2	1.04	2	0	2	1	3	10.4	0.0	10.4	5.2	15.5
181	172	8	4.42	9	7	2	0	2	49.7	38.7	11.0	0.0	11.0
169	174	6	3.55	4	0	4	2	6	23.7	0.0	23.7	11.8	35.5
148	134	10	6.76	5	0	5	3	8	33.8	0.0	33.8	20.3	54.1
144	117	2	1.39	0	0	0	2	2	0.0	0.0	0.0	13.9	13.9
138	132	12	8.70	1	0	1	0	1	7.2	0.0	7.2	0.0	7.2

Chart #3  
SMALL GENERAL HOSPITALS  
(10 - 39 beds)

Montana - 1964 (continued)

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
133	133	7	5.26	2	0	2	0	2	15.0	0.0	15.0	0.0	15.0
119	129	1	0.84	2	0	2	1	3	16.8	0.0	16.8	8.4	25.2
109	147	0	0.00	2	0	2	1	3	18.3	0.0	18.3	9.2	27.5
89	117	9	10.11	1	0	1	1	2	11.2	0.0	11.2	11.2	22.5
83	86	1	1.20	2	0	2	0	2	24.1	0.0	24.1	0.0	24.1
81	98	2	2.47	2	0	2	1	3	24.7	0.0	24.7	12.3	37.0
80	89	1	1.25	1	0	1	1	2	12.5	0.0	12.5	12.5	25.0
77	100	7	9.09	2	0	2	2	4	26.0	0.0	26.0	26.0	51.9
71	69	3	4.23	3	0	3	0	3	42.3	0.0	42.3	0.0	42.3



Chart #3  
SMALL GENERAL HOSPITALS  
(10 - 39 beds)

Montana - 1964 (continued)

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
71	90	3	4.23	2	0	2	1	3	28.2	0.0	28.2	14.1	42.3
68	75	4	5.88	1	0	1	1	2	14.7	0.0	14.7	14.7	29.4
67	74	4	5.97	3	1	2	1	3	44.8	14.9	29.9	14.9	44.8
61	90	0	0.00	1	0	1	0	1	16.4	0.0	16.4	0.0	16.4
61	79	0	0.00	0	0	0	1	1	0.0	0.0	0.0	16.4	16.4
56	71	4	7.14	0	0	0	1	1	0.0	0.0	0.0	17.9	17.9
50	35	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
46	53	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
42	51	1	2.38	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0

Chart #3  
SMALL GENERAL HOSPITALS  
(10 - 39 beds)

Montana - 1964 (continued)

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	o/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
41	33	1	2.44	0	0	0	1	1	0.0	0.0	0.0	24.4	24.4
38	59	2	5.26	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
38	45	2	5.26	1	0	1	1	2	26.3	0.0	26.3	26.3	52.6
37	58	1	2.70	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
35	20	4	11.43	2	0	2	0	2	57.1	0.0	57.1	0.0	57.1
33	31	2	6.06	1	0	1	0	1	30.3	0.0	30.3	0.0	30.3
32	36	2	6.25	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
22	32	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
15	6	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0

Chart #4  
COMMUNITY FACILITY  
(Under 10 beds)

Montana - 1964

Infant and Fetal Mortalities

Total Live Births 1964	Total Live Births 1963	Prematures		Number of Deaths					Rate Per 1,000 Live Births				
		No.	c/o	Infant	1-12 months	Neo- natal	Still- births	Peri- natal	Infant	1-12 months	Neo- natal	Still- births	Peri- natal
55	79	0	0.00	2	0	2	1	3	36.4	0.0	36.4	18.2	54.5
24	29	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
23	23	0	0.00	2	0	2	1	3	87.0	0.0	87.0	43.5	130.4
8	27	0	0.00	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0







